### PATENT COOPERATION TREATY

# INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference 60329-PCT	FOR FURTHER ACTION	See item 4 below	
International application No. PCT/US2004/032720	International filing date (day/month/year) 04 October 2004 (04.10.2004)	Priority date (day/month/year) 10 October 2003 (10.10.2003)	
International Patent Classification (8th See relevant information in Form P	edition unless older edition indicated) CT/ISA/237		
Applicant FMC CORPORATION			

1.	This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a).					
2.						
	In the attached sheets, any refere to the international preliminary r	ence to the written opinion of the eport on patentability (Chapter	ne International Searching Authority should be read as a reference  I) instead.			
3.	This report contains indications	relating to the following items:				
	Box No. I	Basis of the report				
	Box No. II	Priority				
	Box No. III	Non-establishment of opinic applicability	on with regard to novelty, inventive step and industrial			
	Box No. IV	Lack of unity of invention				
	Box No. V	Reasoned statement under applicability; citations and	Article 35(2) with regard to novelty, inventive step or industrial explanations supporting such statement			
	Box No. VI	Certain documents cited				
	Box No. VII Certain defects in the international application					
	Box No. VIII	Certain observations on the	e international application			
4.	4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis.2).					
			Date of issuance of this report 10 April 2006 (10.04.2006)			
	The International Bur 34, chemin des Co 1211 Geneva 20, S	olombettes	Authorized officer Simin Baharlou			
Face	imile No. +41 22 740 14 35		Telephone No. +41 22 338 71 30			

Form PCT/IB/373 (January 2004)

### PATENT COOPERATION TREATY

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From the		, , ,
INTERNATIONAL SEARCHING AUTHORITY	·	WIPO P
To: JOHN M. SHEEHAN FMC CORPORATION		PC1
1735 MARKET STREET PHILADELPHIA, PA 19103	INTERNATIO	ITTEN OPINION OF THE NAL SEARCHING AUTHORITY
		(PCT Rule 43bis.1)
	Date of mailing (day/month/year)	05 JUL 2005
Applicant's or agent's file reference	FOR FURTHER	ACTION See paragraph 2 below
60329-PCT		·
International application No.	national filing date (day/month/year)	Priority date (day/month/year)
PCT/US04/32720 04 C	october 2004 (04.10.2004)	13 September 2004 (13.09.2004)
546/19, 132, 192, 193, 210 Applicant	11/48, 451/02, 451/04, 451/06 and US	Cl.: 514/256, 278, 304, 318, 326, 327; 544/333;
FMC CORPORATION		
1. This opinion contains indications relating	to the following items:	
Box No. I Basis of the opin	ion	
Box No. II Priority		1 - 1 I amplicability
Box No. III Non-establishme	nt of opinion with regard to novelty, inve	ntive step and industrial applications
Box No. IV Lack of unity of	invention	to the standard industrial
Box No. V Reasoned statem applicability; cit	ent under Rule 43 <i>bis</i> .1(a)(i) with regard tations and explanations supporting such s	tatement
Box No. VI Certain document		
1	n the international application	·
Box No. VIII Certain observat	ions on the international application	
2. FURTHER ACTION  If a demand for international preliminar International Preliminary Examining A Authority other than this one to be the I that written opinions of this International	DRA and the chosen IPEA has notified	I be considered to be a written opinion of the s not apply where the applicant chooses an the International Bureau under Rule $66.1bis(b)$ dered.
ipea a written reply together, where ap of Form PCT/ISA/220 or before the expi	ration of 22 months from the priority date	IPEA, the applicant is invited to submit to the expiration of 3 months from the date of mailing e, whichever expires later.
For further options, see Form PCT/ISA/2	20.	
3. For further details, see notes to Form PC		
Name and mailing address of the ISA/ US	Authorized office	cer 1 · O
Mail Stop PCT, Attn: ISA/US Commissioner for Patents	Celia Chang	Hellafalkan
P.O. Box 1450 Alexandria, Virginia 22313-1450	Telephone N	571-272-1600

Facsimile No. (703) 305-3230
Form PCT/ISA/237 (cover sheet) (January 2004)

### WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/US04/32720

Box No. I Basis of this opinion
1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
This opinion has been established on the basis of a translation from the original language into the following language 2, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
a. type of material
a sequence listing
table(s) related to the sequence listing
b. format of material
in written format
in computer readable form
c. time of filing/furnishing
contained in international application as filed.
filed together with the international application in computer readable form.
furnished subsequently to this Authority for the purposes of search.
3. In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

# WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US04/32720

applicability; citations and explanations supporting such statement					
. Statement					
Novelty (N)	Claims	8-40	YE		
	Claims	1-7	NO		
Inventive step (IS)	Claims	11-40	YE		
• • •	Claims	1-10	NO		
Industrial applicability (IA)	Claims	1-40	YE		
••	Claims	NONE	NC		
Citations and explanations:					
laims 1-7 lack novelty under PCT Article 33(2) a ompound(b) or US 4,178,377, see anticipatory co	s being anticipate mpound at col. 2	ed by US 3,056,795, see anticipator 5 lines 52-53.	ry compound at col. 14		
laims 8-40 meet the criteria set out in PCT Article	e 33(2) hecause:	he prior art does not disclose com	pounds or method of using the		
ompounds for insecticides.	e 33(2), occause	no prior are does not case or a case			
claims 1-10 lack an inventive step under PCT Articles 3,056,795, US 4,178,377, or CA138:255252. Enerically of variations in substitutions, US 4,178 f variations in substitutions, CA 138 disclosed space R4 or R5 can both be hydrogen. Therefore, the	US 3,056,795 di ,377 disclosed ar ecies of lower alk	sclosed anticipatory compound at a ticipatory compound at col. 25 lin	ds of the claims and taught tha		
Claims 11-40 meet the criteria set out in PCT Artic se of the compound for insecticide.					
Claims 1-40 meet the criteria set out in PCT Article e made or used in industry.	e 33(4), and thus	have industrial applicability becau	se the subject matter claimed o		
			•		